

Irrigation of District Feasible

(Continued from Page One.)

lake, will furnish a supply sufficient for 35,000 acres in the Medford division at an approximate construction cost of \$40 per acre, including distributing system; that an additional supply probably sufficient for 15,000 acres can be obtained from Big Butte creek at a cost of approximately \$29 per acre delivered to Hopkins lateral.

A portion of the flood water of Bear creek will be available for use on the Ashland division. In addition to Bear creek a supply probably sufficient for the entire division can be developed from the following sources:

It is estimated that Buck lake and Hyatt prairie reservoir will furnish 35,000 acre feet. Total estimated cost of project is approximately \$100 per acre.

It is probable that Beaver creek reservoir would furnish enough for the entire division. The total estimated cost of project is approximately \$72.50 per acre.

Hyatt Prairie Project.
A supply obtained from Hyatt Prairie reservoir, together with an intercepting canal from Toll Road gap west along south slope of Ashland butte, may prove sufficient. Total estimated cost of project is \$67 per acre.

Hyatt Prairie reservoir and Beaver creek reservoir would probably furnish the most dependable supply, and it seems reasonable to expect that the supply would be sufficient for the entire division. Total estimated cost of project is approximately \$73.15 per acre.

Fish lake is the source of the north fork of Little Butte creek and lies near the summit of the Cascade range just south of Mt. McLoughlin. By constructing a 50-foot dam, a storage capacity of 20,000 acre feet can be obtained. The water supply available for storage here is uncertain, but will probably equal the storage capacity.

Four-mile lake lies twelve miles northeast of Fish lake and at an elevation 1,000 feet higher. Fifteen thousand five hundred acre feet storage capacity can be obtained by constructing a 20-foot dam. The record of run-off from this lake is very short, but it is probable that the yearly supply of 10,000 acre feet is all that can be depended upon.

South Fork of Butte.
The minimum flow of the South Fork of Big Butte creek in 1915 was 85 second feet. In years of average rainfall the supply would probably be sufficient for 15,000 acres. The estimated cost of constructing a canal of 150 second feet capacity from Big Butte creek across Little Butte to the Hopkins lateral is \$437,000.

Reconnaissance surveys show that it is feasible to divert South Fork of Rogue river into Big Butte creek. It is estimated that the average minimum flow may be 110 second feet, and that this can be delivered into North Fork of Big Butte creek at a cost of approximately \$94,000.

There is sufficient flood water in Bear creek to supply practically all the requirements for both divisions in April and May, and enough in any event to insure against crop failure.

Hyatt Prairie reservoir is feasible. A dam of 47 feet maximum height will flood 975 acres and create a storage capacity of 19,700 acre feet. The run-off data is very meager. However, it appears that an annual supply of 10,000 acre feet can probably be depended upon. The estimated cost of delivering this amount

to Emigrant creek is \$152,000.

Buck Lake and Beaver Creek.
No record has been kept of the run-off of Buck lake, and only two discharge measurements are known to have been made. A measurement by Whiting on August 27, 1913, is reported as 60 second feet, and a float measurement on September 24, 1915, showing a discharge of 19 second feet. It is estimated that probably 25,000 acre feet can be delivered from Buck lake to Walker creek at a cost of \$959,000. A dam with maximum height of 23 feet will be required at Buck lake, creating a storage capacity of 30,000 acre feet. Approximately 23 miles of canal, 4.6 miles of tunnel and 1,000 feet of siphon are required.

Beaver creek reservoir is apparently feasible. Practically nothing is known of the run-off of its drainage area. However, it appears probable that a supply could be developed here sufficient for the entire Ashland division. A dam of 75 feet maximum height would make a reservoir with a storage capacity of 46,000 acre feet, and one of 62 feet height a capacity of 30,000 acre feet. It is estimated that 25 miles of canal and a 3,000-foot tunnel would be required to carry the stored water to Emigrant creek.

Streams From South.
A reconnaissance survey from Toll Road gap west along the south slope of Ashland butte showed that it would probably be feasible to construct a canal intercepting the streams flowing to the south. The probable minimum flow of streams intercepted by 24 miles of canal is 23 second feet. It is estimated that a probable run-off of 21,000 acre feet could be collected and diverted into Bear creek drainage at a cost of \$270,000.

Although the reconnaissance survey showed that it probably is feasible to construct a canal from Wagner Creek gap along the north slope of Ashland butte, the water thus diverted to be replaced by an intercepting canal from Siskiyou gap to California Bear creek, the amount obtained would not be sufficient to fully supplement other sources of supply. The water rights held by the Sterling ditch are greater than the low water flow of Little Applegate river.

Conclusions of Report.
It appears from the investigations and estimates for this report:

1. That the water supply which can be developed under the water rights of the Rogue River Valley Canal Company will be sufficient for 35,000 acres.

2. That the system under construction for the Medford division by the Rogue River Valley Canal Company is the most economical for the acreage which it can supply.

3. That it is feasible to divert Big Butte creek and irrigate land in the Medford division at a not unreasonable cost.

4. That there is sufficient flood water in Bear creek to supply practically all irrigation requirements in April and May, and enough to insure against a total failure of crops.

5. That a water supply can probably be developed either in the Siskiyou or Klamath mountains which will be sufficient for the full irrigation of the Ashland division.

Cost of Projects.
6. That the construction cost of the Medford division will be approximately \$40 and of the Ashland division not to exceed \$75 per acre. But these estimated costs do not include depreciation, taxes or interest charges, and to obtain the actual cost to the water user it should be increased by an amount sufficient to cover such costs, whatever they may be.

7. That for the Ashland division the first development should be the utilization of the flood waters of Bear creek by immediate construction of laterals therefrom.

8. That Hyatt Prairie reservoir will be a source of water supply under what appears to be the most feasible schemes for the irrigation of the Ashland division, and its construction should follow the construction of the laterals from Bear creek.

9. That after Hyatt Prairie reservoir the next construction should be either Beaver creek reservoir and canal or Toll Road gap canal, as will then be more apparent from stream gaugings to be made and the surveys contemplated.

10. That until more definite data regarding the run-off of the streams are available, it is impossible to determine with any certainty what is the best source of water supply for the Ashland division.

Recommendations.

It is recommended:

(a) That it be the policy of the United States and the state to consider the Rogue River valley project an immediate possibility.

(b) That in addition to the present gauging stations maintained by the U. S. geological survey, adequate and continuous discharge records be kept of Keene creek, Oregon Beaver creek, Big Butte creek and the streams cut by the intercepting canal west from Toll Road gap to California Beaver creek.

(c) That to guard the public interest the waters of all the streams withdrawn from appropriation by the state engineer for this project be continued withheld until such time as the most feasible source of water supply can be determined.

(d) That the people of the Medford division be encouraged to subscribe for water from the Rogue River Valley Canal Company under mutually satisfactory terms, as their system necessarily forms an integral part of any comprehensive scheme for the entire valley.

(e) That some steps be immediately taken to construct laterals from Bear creek in the Ashland division, to be closely followed by the construction of Hyatt Prairie's reservoir after at least another season's record of run-off has been obtained.

(f) That public lands be withdrawn by the United States for Hyatt Prairie and Beaver creek reservoirs.

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Announcements

(Paid Advertisement.)

District Attorney

THIS IS TO CERTIFY that I expect to be a candidate for nomination for the office of Prosecuting Attorney on the Republican ticket at the primary election next ensuing to be held in and for Jackson county, Oregon.

It will be remembered that I held that office when the district embraced the counties of Josephine, Jackson, Klamath and Lake. I refer to that record.

C. B. WATSON.

District Attorney.

I hereby announce that I have filed my declaration of intention to become a candidate for the Republican nomination for the office of District Attorney for Jackson county, Oregon, subject to the decision of the Republican party in the primary election to be held May 19, 1916.

G. M. ROBERTS.

DISTRICT ATTORNEY—The first of the year a number of Republicans, including many who approved of my efforts in the interest of the taxpayers as State Representative four years ago, requested me to become a candidate for the office of District Attorney, inasmuch as there would be, in addition to the regular duties of the criminal and juvenile courts, new duties and conditions confronting the office. Among these were mentioned the enforcement of the Prohibition Act, and the likelihood of having to foreclose many tax liens, particularly those against the Southern Pacific land grant of nearly a half million acres in Jackson county, amounting to about \$200,000.

My reply was that I would be a candidate if it were generally desired and the race could be made without assuming special obligation to any particular individual, faction, locality or interest.

Therefore, after consulting personally or by letter with several hundred men and women of all occupations in all parts of the county, believing there is a real desire for my candidacy, I will be a candidate for the nomination of District Attorney on the Republican ticket.

JOHN H. CARKIN.

School Superintendent

COUNTY SCHOOL SUPERINTENDENT—I hereby announce my candidacy on the Republican ticket for the office of County School Superintendent for Jackson County, Oregon, subject to the will of the Republican party at the primary election May 19, 1916. I stand for practical school efficiency, personal supervision of schools and elimination of county school supervisors.

(Signed) FRANCIS C. SMITH.

SCHOOL SUPERINTENDENT—I hereby announce that I have filed my declaration of intentions, and that I am a candidate for the Republican nomination for the office of County School Superintendent of Jackson county, subject to the primaries of May 19. If nominated and elected, I pledge myself to an honest, impartial and economic administration and will personally supervise our schools. I hold an Oregon Life Certificate, and having recently spent four sessions on preparatory work in both the University of Oregon and in the University of California in the study of modern education and supervision, and having served the county as Rural School Supervisor for two years, I feel competent to fill the office in a thoroughly satisfactory manner and hereby solicit the support of every true friend of education.

G. W. AGER.

FOR COUNTY SCHOOL SUPERINTENDENT—I am a candidate for the Republican nomination for County School Superintendent. I stand for: A continuance of progressive policies in education, economy consistent with efficiency, equal educational advantages for the boys and girls on the farms with those in the cities and towns.

If nominated and elected I will in the future, as in the past, give my full time and best efforts to the supervision of the schools and administration of the duties of the office. During my incumbency I have not confined myself strictly to the routine duties of the office, but have taken a broader view of the mission of the County School Superintendent. In addition to my efforts to raise the standard of teaching and improve the physical conditions at school, I have labored to promote the welfare of the boys and girls through industrial clubs, school fairs, school credits for home work, parent-teacher circles, spelling and arithmetic contests, and other activities. I feel that my work has been regarded with favor, and in order to continue it I am asking for re-election.

J. PERCY WELLS.

COUNTY SCHOOL SUPERINTENDENT—To the Voters: I am a Republican candidate for County School Superintendent at the primary election May 19, 1916. I am a Normal graduate, hold an Oregon State Life Diploma, and have taught fifteen years in Jackson county. I have been a principal in the Medford schools the past four years. My standing and ability are before you to investigate. I am for supervision of the schools by the superintendent, and for economy in the County Superintendent's office and every place where it does not retard the efficiency of the schools.

I am in favor of progressive education; that is, education that prepares the boy or girl for life. I am for the uplift of humanity; therefore, all organizations that stand for the good of humanity shall have my support. I am for

all having a square deal and an equal chance for an education. If nominated and elected I will do everything in my power to make the schools of Jackson county the best in the state.

A. J. HANBY.

Assessor

FOR ASSESSOR—I hereby announce my candidacy for County Assessor, subject to the decision of the Republican party at the primary election to be held May 19, 1916. I pledge myself to an honest, efficient, impartial and economical discharge of the duties of the office and propose to make all assessments upon the basis of the true actual value of the property and not upon any inflated valuation.

GEORGE LAUNSPACH.

I HEREWITH ANNOUNCE my candidacy for County Assessor, subject to the decision of the Republican party at the primary election to be held May 19, 1916. If elected I pledge myself to make a just and equitable assessment and administer the affairs of the office in a businesslike manner.

J. B. COLEMAN.

COUNTY ASSESSOR—I have filed my declaration to become a candidate for County Assessor of Jackson county, subject to the will of the Republican party, at the primary election to be held May 19, 1916. I will appreciate your investigation of my qualifications and your support at the primary election.

E. M. WILSON.

Treasurer

FOR COUNTY TREASURER—I hereby announce that I am a candidate for the nomination of County Treasurer for Jackson county, Oregon, on the Republican ticket, to be voted for at the primary election to be held May 19, 1916. I formerly held the office of County Treasurer, and believe I gave general satisfaction to the public. During the time I was County Treasurer the county employed expert accountants to expert the county officers' books, and said experts complimented my work very highly as a public official. If nominated and elected I shall endeavor to conduct the affairs of the office in an honest, efficient and businesslike manner.

JAS. M. CRONEMILLER.

COUNTY TREASURER—I hereby announce that I have filed my declaration of intention to become a candidate for the Republican nomination for the office of County Treasurer, to be voted on in the coming primaries. If I am nominated and elected will conduct the office in an efficient and businesslike manner.

ROY L. MAULE.

COUNTY TREASURER—Deputy County Treasurer Myrtle W. Blakeley announces her candidacy for the office of County Treasurer. I hereby announce my candidacy on the Republican ticket for the office of County Treasurer, to be voted on at the coming primaries. I have held the position as deputy in this office for the past year and am confident that I can fulfill the duties connected therewith.

I served two years as Deputy County Recorder before taking the position as Deputy County Treasurer. I have also had experience as accountant for several corporations, such as the Medford Concrete Construction Company and Medford Ice and Storage Company, before taking up county work, and will say that my past record is open for inspection to the voters of Jackson county.

If nominated and elected I will run the office without the expense of a deputy and continue to serve the public just as efficiently in the future as I have in the past.

MYRTLE W. BLAKELEY.

Circuit Judge

FOR CIRCUIT JUDGE—I have filed declaration of candidacy for the office of Circuit Judge. I will sincerely appreciate an expression of approval by the voters, of my administration of the office during the past six years.

FRANK M. CALKINS.

Fifty cents invested in a Tidings "For Sale" ad often sells a \$5,000 property. Did you ever try it?

Sheriff

I HAVE HERETOFORE formally announced my candidacy for the nomination for Sheriff on the Republican ticket to be voted upon at the coming primary election May 19, 1916.

I have held the position of Deputy Sheriff during the past four years. It is unanimously conceded that a marked improvement has been made in all departments of the Sheriff's office during the incumbency of the present Sheriff. The records in the office at the beginning of the present administration were considered the worst in the state. They are now considered equal to any and better than most.

The work of tax collection has been systematized so that quicker and better service is now being rendered, and taxes collected at a much less cost than heretofore.

I am fully conversant with the duties and needs of the office for which I aspire.

If I am nominated and elected I pledge myself:

1st.—To maintain the office in its present efficient condition.
2nd.—To endeavor to further improve the service to taxpayers and to minimize the cost thereof.
3rd.—To impartially perform all duties and enforce all laws.

E. W. (Curly) WILSON.

SHERIFF—I am a candidate for the nomination of Sheriff of Jackson county, on the Republican ticket, subject to the primary, May 19.

I have lived in Jackson county twelve years, made the race for the nomination for Sheriff two years ago and received a splendid vote despite the unusual conditions I had to oppose, and would appreciate your support this time.

If elected I will enforce all laws and pledge myself to an economical, impartial and conservative administration.

A. W. WALKER.

I AM A CANDIDATE for the nomination of Sheriff on the Republican ticket to be voted for at the primaries May 19, 1916. If nominated and elected I will enforce the law and give the public an honest, impartial and efficient administration.

Thirty-seven years in Jackson county. HENRY N. LOFLAND.

FOR SHERIFF—I hereby announce my candidacy for the Republican nomination for Sheriff, to be voted on at the coming primaries, May 19, 1916.

I feel that I need no introduction to the public, having been a resident of Jackson county for 26 years.

I pledge myself, if elected, to give an impartial, economical and conservative administration of this important office.

I have endeavored to serve the public faithfully in the past and agree, if elected, to strictly and impartially enforce all laws. Having a very large experience in the matters of taxation and knowing Jackson county thoroughly, I pledge myself to conduct the tax-collecting branch of the office in such a manner as to serve the taxpayers honestly, promptly and efficiently.

W. T. GRIEVE.

County Clerk

FOR COUNTY CLERK.
G. A. Gardner is Republican Candidate for County Clerk.

I hereby announce my candidacy for the office of County Clerk, and if nominated and elected will continue to give my entire time and attention to the duties thereof, conduct the office according to law and give an efficient, economical and businesslike administration.

G. A. GARDNER.

COUNTY CLERK—I hereby announce that I have filed my declaration of intention to become a candidate for the Republican nomination for the office of County Clerk for Jackson county, Oregon, subject to the decision of the Republican party in the primary election to be held May 19, 1916.

(Little) JOE H. WILSON.

I HEREBY ANNOUNCE that I have filed my declaration of intention to become a candidate for the Republican nomination for the office of County Clerk for Jackson county, Oregon, subject to the decision of the Republican party at the primary election to be held May 19, 1916.

A. N. HILDEBRAND.

The necessity of lowering the income tax exemption to \$2,000 is patriotically advocated by all having incomes of \$1,999 and under.

REPORT OF THE CONDITION OF THE State Bank of Talent

AT TALENT, OREGON,
at the Close of Business March 7, 1916.

RESOURCES.

Loans and discounts	\$42,292.32
Overdrafts, secured and unsecured	280.31
Bonds and warrants	4,637.97
Banking house	4,900.00
Furniture and fixtures	2,247.50
Due from banks (not reserve banks)	1,368.16
Due from approved reserve banks	11,670.18
Checks and other cash items	23.44
Cash on hand	1,669.99
Expenses	894.45
Other resources, Rem. Co. Treas. and Rev. Stamps	656.55
Total	\$70,640.86

LIABILITIES.

Capital stock paid in	\$20,000.00
Surplus fund	1,200.00
Undivided profits	284.70
Individual deposits subject to check	34,293.91
Cashier checks outstanding	87.12
Time and savings deposits	14,915.13
Total	\$70,640.86

State of Oregon, County of Jackson, ss.
I, E. B. Adamson, Cashier of the above-named bank, do solemnly swear that the above statement is true to the best of my knowledge and belief.

E. B. ADAMSON, Cashier.

Subscribed and sworn to before me this 15th day of March, 1916.

J. C. MASON, Notary Public.

My commission will expire November 12, 1919.

Correct—Attest:
JOSHUA PATTERSON
EMMETT BESSON, Directors.

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